

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd,

DATA SHEET

MRL-FN-613/1~20mW



LD PUMPED ALL-SOLID-STATE RED LASER AT 613nm

All solid state 613nm red laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, and laser lighting show etc.



SPECIFICATIONS

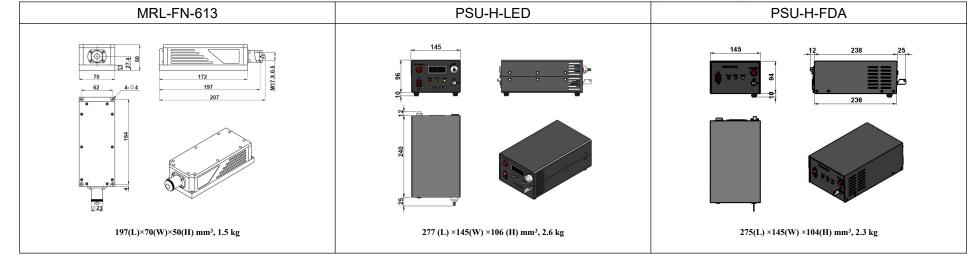
Central wavelength (nm)	613±1	
Operating mode	CW	
Output power (mW)	>1,5,10,20	
Power stability (rms, over 4 hours)	<2%,<3%,<5%	
Transverse mode	Near TEM ₀₀	
M ² factor	<1.2	
Beam diameter at the aperture (1/e ² , mm)	<1.0	
Beam divergence, full angle (mrad)	<1.5	AVOID EXPOSIBE Laser
Polarization ratio	> 100:1 Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	LASER RADIATION EXPOSURE TO DIS PEAKPOWER <1
Beam height from base plate (mm)	27.4	CLASS IV
Operating temperature ($^{\circ}$ C)	10~35	This device complies v Changchun New Industrie
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA	888 JinHu Road Hig
Expected lifetime (hours)	10000	
Warranty	1 year	





This device comprises with 21 CFR1040.10 and 1040.11 Changchun New Industries Optoelectronics Tech. Co., Ltd. (CNI) 888 JinHu Road High-tech Zone Changchun, China

Note: The laser head needs to be used on a heat sink with good heat dissipation.





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